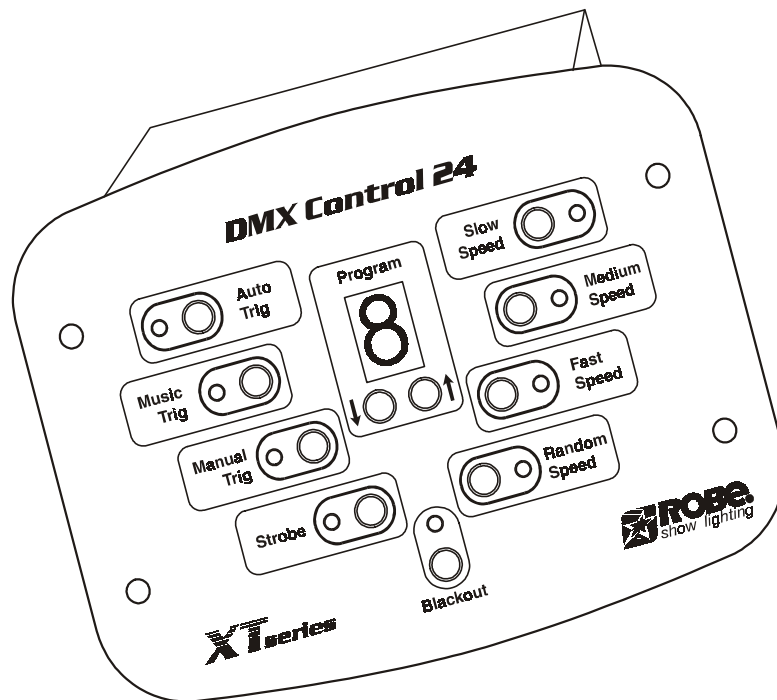


DMX Control 24



USER MANUAL

XTseries



www.robe.cz



DMX CONTROL 24

Table of contents

1. Safety instructions	4
2. Operating determinations	4
3. Description of the device	5
4. Installation	7
4.1. Sound-control	7
4.2. DMX-512 connection with the projectors	7
4.3. Fixture addressing	8
4.4. Connection to the mains	8
5. Operation	8
6. Technical specifications	9
7. Cleaning and maintenance	9
8. Appendix	9

CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOU INITIAL START - UP!**

1. Safety instructions

Every person involved with installation and maintenance of this device have to:

- be qualified
- follow the instructions of this manual

CAUTION!
**Be careful with your operations. With a high voltage you can suffer
a dangerous electric shock when touching the wires!**

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Important:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!

Always plug in the power plug least. The power-plug has to be accessible after installing the device.

Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.

The electric connection, repairs and servicing must be carried out by a qualified employee.

2. Operating determinations

This device was designed for indoor use only.

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

When taking the device into operation, please make sure that the housing is closed firmly with all the necessary screws tightened up.

Do not shake the device. Avoid brute force when installing or operating the device.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture

or dust. There should not be any cables lying around. You endanger your own and the safety of others!

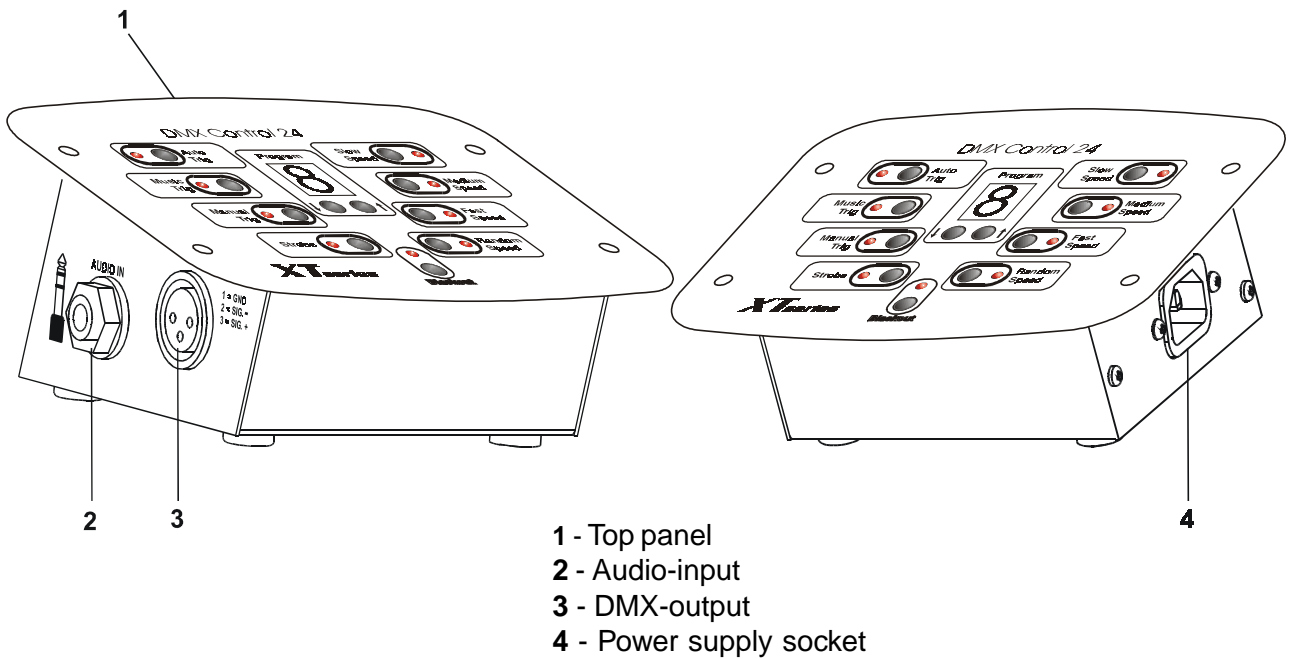
Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

Please use the original packaging if the device is to be transported.

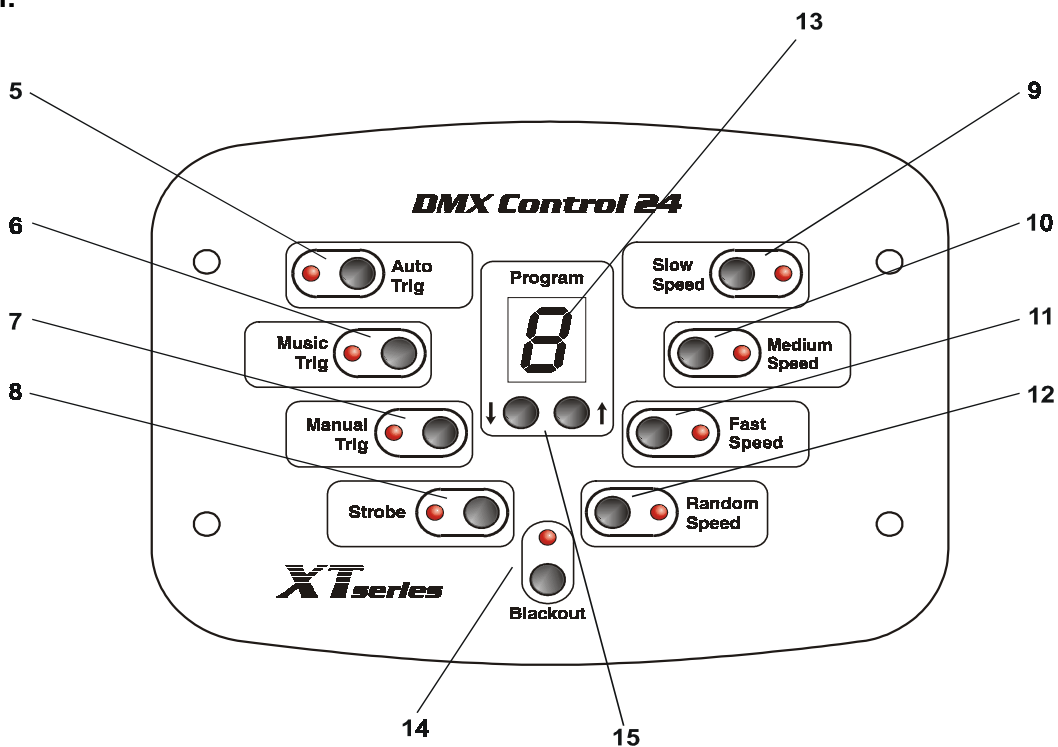
Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, electric shock, etc.

3. Description of the device



Top panel:



5 - AUTOTRIG-KEY

If the LED shines, the controller is in Auto-mode (normal operation without sound-control).

6 - MUSIC TRIG-KEY

If this LED shines the controller is in Audio-mode (operation with sound-control).

7 - MANUAL TRIG-KEY

With the Manual Trig -key, you can jump from one step to another.

8 - STROBE-KEY

By pressing the Strobe-key all channels are being strobed.

9 - SLOW SPEED-KEY

For adjusting the program to slow movement.

10 - MEDIUM SPEED-KEY

For adjusting the program to medium movement.

11 - FAST SPEED-KEY

For adjusting the program to fast movement.

12 - RANDOM SPEED-KEY

For adjusting the program to random movement.

13 - PROGRAM-DISPLAY

14 - BLACKOUT-KEY

The Blackout-function closes the light output of all connected projectors via the shutter.

Caution: The Blackout-key has to be pressed (LED is off), as soon as a program is called up. Otherwise there will not be any light output.

15 - PROGRAM UP/DOWN-KEYS

4. Installation

4.1. Sound-control

The sound-control either works via the ¼" mono jack-socket or the built-in microphone.

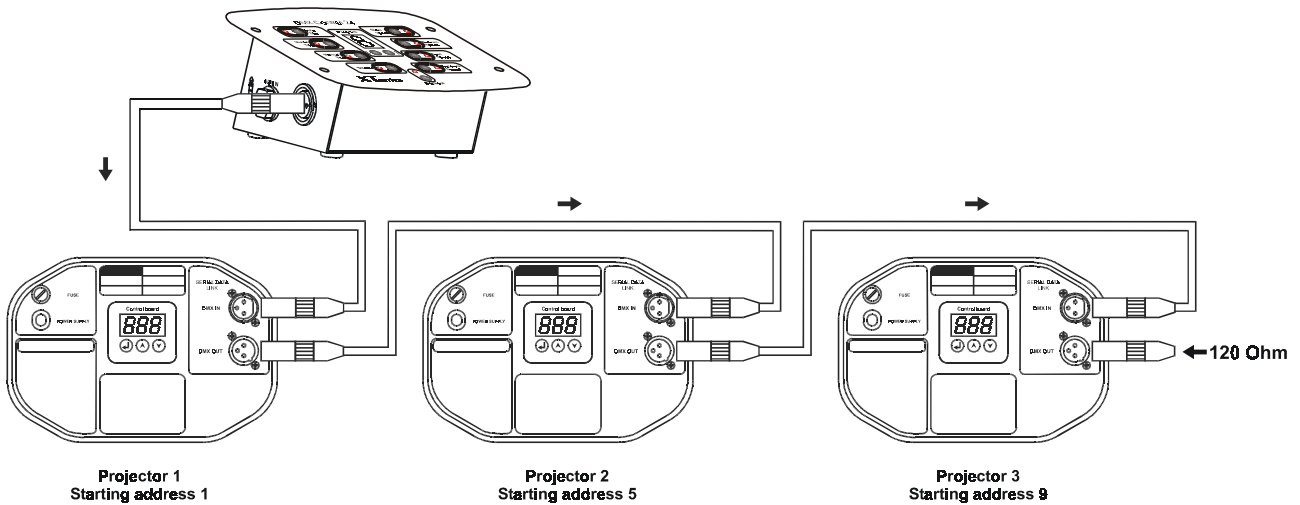
If the DMX CONTROL 24 is supposed to work via a sound signal at the Audio In-socket, connect the ¼" jack socket with the soundsignal of your headphones output or a second adjustable output (if existing) of your mixer, or with the loud-speaker output of your amplifier.

Tip: Data +

Sleeve: Ground

Caution: Never connect the sound input with the DMX-output, as this will destroy the electric (DMX-driver).

4.2. DMX-512 connection with the projectors

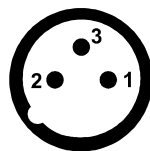


Only use a stereo shielded cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

Occupation of the XLR-connection:

DMX - output

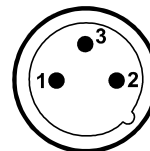
XLR mounting-socket:



- 1 - Ground
- 2 - Signal (-)
- 3 - Signal (+)

DMX-input

XLR mounting-plug:



- 1 - Ground
- 2 - Signal (-)
- 3 - Signal (+)

If you are using the standard controllers, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other DMX-outputs, you need to use adapter-cables.

Building a serial DMX-chain:

Connect the DMX-output of the DMX CONTROL 24 with the DMX-input of the nearest projector. Always connect one output with the input of the next fixture until all fixtures are connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 ohms resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

4.3 Fixture addressing


Projector addressing

Please note that the DMX CONTROL 24 assigns the DMX-starting addresses every 6 steps. You have to address every projector to the respective starting address. Otherwise, the channel assignment will not be correct. All projectors with the same starting address work synchronically.

Projector	Starting address	Projector	Starting address
Projector 1	1	Projector 3	13
Projector 2	7	Projector 4	19

4.4 Connection to the mains

Connect the fixture to the mains with the power-plug.
The occupation of the connection-cables is as follows:

Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	

The earth has to be connected!

5. Operation

Select the projectors

With the DMX CONTROL 24, you can either control the DJ Scan 150 XT, DJ Scan 250 XT or Spot 150 XT, Spot 160 XT. The standard setting of the controller is DJ Scan 150 XT („A“). If you wish to switch the controller to the DJ Scan 250 XT („B“) or Spot 150 XT, Spot 160 XT („C“), see instructions below:

Press and hold the Program Up/Down-buttons.

Plug the power plug in. The Program-Display and the Blackout-LED are flashing and the Program-Display shows the current selection („A“). Press one of the Program Up/Down-buttons and adjust the selection „B“ or „C“. Confirm your selection via the Blackout-key.

Calling up a pre-programmed program

Select the desired program between 1-9, C, r via the Program Up/Down-keys.

The selection „C“ means that all programs 1-9 will be run through.

The selection „r“ means that the programs will be randomly selected.

Press the Blackout-key in order to project the program (LED off).

Adjusting the program-speed

The programs run through the selected program step by step with the programmed speed. You can adjust the program-speed via the Slow Speed-button, Medium Speed-button or Fast Speed-button.

Jump from one step to another

Via the Manual Trig-key, you have the possibility to jump from one step to another.

If a program is run and the Manual Trig-key is pressed, the projector jumps to the next step after finishing the current step. The Manual Trig-LED shines and the program is stopped.

If you wish to start the program once more, press the Auto Trig-key or the Music Trig-key.

Activating the sound-control

If the sound-control is activated, the program moves in the bass-tact of the music.

Press the Music Trig-key (LED shines) and the sound-control is activated.

Strobe-function

Via the Strobe-key, you can strobe all channels at the same time.

6. Technical specifications

Power supply:	100-125V,200-230V AC, 50/60Hz ~
Power consumption:	4 W
Number of control channels:	24
Sound control:	either via ¼" Jack or built-in microphone
Sound input:	¼" mono Jack
Audio-sensitivity:	0.3 - 1 V
DMX 512-output:	3-pin XLR-connector
Pre-programed programs	9
Dimensions (LxWxH):	155 x 110 x 80 mm
Weight:	0,5 kg

7. Cleaning and maintenance

<p style="text-align: center;">DANGER! Disconnect from the mains before starting any maintenance work</p>

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Should you need any spare parts, please use genuine parts.

If the power supply cable of this device will be damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

8. Appendix

We believe you will enjoy your DMX CONTROL 24. We assure you will enjoy this product for years if you follow the instructions given in this manual.

If you have any questions and comments, please do not hesitate to contact us.

Version 1.0